

CONTENTS OF VOLUME 30

- ADAMSON, J. P. and DOUPE, J.—The elasticity of the large arteries in hypertension, 125.
- ALDOUS, J. G.—The nature of the cytotoxic action of undissociated iodoacetic acid in yeast cells, 68.
- ALDOUS, J. G. and STEWART, D. K. R.—The effect of ultraviolet radiation upon enzymatic activity and viability of the yeast cell, 561.
- ALEXANDER, H. E.—See MacPherson, C. F. C.
- ALLARD, C. and CANTERO, A.—Adenosinetriphosphatase study during rat liver damage. I. ATP-ase activity of rat liver during regeneration after partial hepatectomy, 295.
- ALLARD, C., DE LAMIRANDE, G., and CANTERO, A.—Mitochondrial population in mammalian cells. IV. Preliminary results on the variation in the mitochondrial population of the average rat liver cell during azodyes carcinogenesis, 543.
- ALLENBY, G. M.—See Collier, H. B.
- ALLENBY, G. M. and COLLIER, H. B.—Enzyme inhibition by derivatives of phenothiazine. V. Inhibition of rat-brain hexokinase by phenothiazine, 549.
- ANNAU, E., KONST, H., and PLUMMER, P. J. G.—Biochemical and histological changes in the liver of mice following feeding of the insecticide aldrin, 463.
- BARDAWILL, C. J.—See Gornall, A. G.
- BARDAWILL, C. J. and GORNALL, A. G.—The influence of dietary protein on liver injury due to carbon tetrachloride in dogs, 272.
- BEVERIDGE, J. M. R.—See McLean, J. R.
- BIGELOW, W. G., HOPPS, J. A., and CALLAGHAN, J. C.—Radio-frequency rewarming in resuscitation from severe hypothermia, 185.
- BIRMINGHAM, M. K. and DESBARATS, M.-L.—Changes in oxygen uptake and peptidase activity of rat thymus during growth and after adrenalectomy, 494.
- BIRMINGHAM, M. K. and ELLIOTT, K. A. C.—Applications of the Henderson-Hasselbalch equation to single and mixed buffer solutions. With a note on constants for bicarbonate buffer and examples of applications to Warburg manometric studies, 403.
- BLANCHAER, M. C. and MAYMAN, C. I.—Glucose utilization in blood cells surviving storage at -79°C ., 360.
- BLANK, F.—A quantitative method for the *in vitro* assay of fungistatic agents, 113.
- BONENFANT, J. L.—See Héroux, O.
- BOYD, E. M., CONNELL, M. L., and MCEWEN, H. D.—The lipid composition and water content of carcass, skeletal muscle, and testicle in the host component of the albino rat - Walker carcinoma 256 dual organism, 471.
- BOYD, E. M. and MCEWEN, H. D.—The concentration and accumulation of lipids in the tumor component of a tumor - host organism, Walker carcinoma 256 in albino rats, 163.
- BOYLEN, J. B.—See Moore, A. M.
- CALLAGHAN, J. C.—See Bigelow, W. G.
- CANTERO, A.—See Allard, C.; Daoust, R.
- CARTER, G. R.—The type specific capsular antigen of *Pasteurella multocida*, 48.
- CHRISTIE, K. A.—See White, F. D.
- CLARK, E. M.—See Rhodes, A. J.
- CLARK, E. M. and RHODES, A. J.—Poliomyelitis in Canadian Eskimos. Laboratory studies. III. Lansing antibody levels in Baffin Island Eskimos, 390.
- COLEMAN, I. W.—A rapid ultrafiltration apparatus, 246.
- COLLIER, H. B.—See Allenby, G. M.
- COLLIER, H. B. and ALLENBY, G. M.—Enzyme inhibition by derivatives of phenothiazine. IV. Inhibition of succinoxidase activity of rat-liver mitochondria, 443.
- CONNELL, M. L.—See Boyd, E. M.
- COUTU, L. L.—See Ducommun, P.
- DAOUST, R., DE LAMIRANDE, G., and CANTERO, A.—Nucleodepolymerase activity in regenerating rat liver, 180.
- DELORY, G. E.—See Suderman, H. J.; White, F. D.
- DELORY, G. E. and HETHERINGTON, M.—The determination of urinary acid phosphatases, 1. The acid phosphatases of human urine, 4.
- DELUCA, H. A.—See Lovegrove, T. D.
- DESBARATS, M.-L.—See Birmingham, M. K.

- DESMARAIS, A. and LEBLANC, J.—"In vivo" and "in vitro" effect of ascorbic acid and ACTH on the rat adrenal cortex, 157.
- DOUPE, J.—See Adamson, J. P.
- DUCOMMUN, P. and COUTU, L. L.—L'action du jeûne sur le développement de l'arthrite expérimentale, 333.
- DUDLEY, E. A.—See White, F. D.
- DUNCAN, D.—See Thicke, J. C.; White, F. D.
- ELLIOTT, K. A. C.—See Birmingham, M. K.
- FERGUSON, J. K. W.—See Martin, E. J.
- FISCHER, M. I.—See Mawson, C. A.
- FISCHER, R. and LAROSE, P.—Contribution on the behavior and structure of the cytoplasmic membrane of bacteria, 86.
- FRANKLIN, A. E.—See Thicke, J. C.
- FRASER, M. S.—See Tuba, J.
- FREDETTE, V. and VINET, G.—Production en sac de cellophane de toxines tétaniques renfermant au moins 600,000 doses mortelles (Cobaye) par millilitre, 155.
- FRIEDMAN, C. L.—See Friedman, S. M.
- FRIEDMAN, S. M., NAKASHIMA, M., and FRIEDMAN, C. L.—The role of the adrenal gland in sodium retention following acute venous obstruction, 585.
- GILMAN, J. P. W., PERRY, F. A., and HILL, D. C.—Some effects of a maternal riboflavin deficiency on reproduction in the rat, 383.
- GORNALL, A. G.—See Bardawill, C. J.
- GORNALL, A. G. and BARDAWILL, C. J.—The study of liver function in dogs, 256.
- GOWDEY, C. W.—See Loynes, J. S.
- GOWDEY, C. W., GRAHAM, A. R., SEGUIN, J. J., STAVRAKY, G. W., and WAUD, R. A.—A study of the pharmacological properties of the insecticide, Aldrin (hexachlorohexahydrodimethano naphthalene), 520.
- GOWDEY, C. W. and LOYNES, J. S.—Acute experimental heart failure produced by intravenous gum acacia infusion, 314.
- GRAHAM, A. R.—See Gowdey, C. W.
- GRANT, G. A.—See Skelton, F. R.
- HARPER, A. E.—See Jelinek, B.
- HARPER, A. E., KATAYAMA, M. C., and JELINEK, B.—The influence of amino acids in the feces of the white rat, 578.
- HÉROUX, O. and BONENFANT, J. L.—Action de l'acide ascorbique sur les effets vasculaires cardio-rénaux de l'acétate de désoxycorticostérone (DCA), 79.
- HETHERINGTON, M.—See Delory, G. E.
- HILL, D. C.—See Gilman, J. P. W.
- HOPPS, J. A.—See Bigelow, W. G.
- HUNTER, J., KERR, E. H., and WHILLANS, M. G.—The relation between joint stiffness upon exposure to cold and the characteristics of synovial fluid, 367.
- JAQUES, L. B. and KEERI-SZANTO, E.—Heparinase. II. Distribution of enzyme in various tissues and its action on natural heparins and certain synthetic anticoagulants, 353.
- JELINEK, B.—See Harper, A. E.; Tuba, J.
- JELINEK, B., KATAYAMA, M. C., and HARPER, A. E.—The inadequacy of unmodified potato starch as dietary carbohydrate for the albino rat, 447.
- JOHNS, H. E.—See Ting, T. P.
- KATAYAMA, M. C.—See Harper, A. E.; Jelinek, B.
- KEERI-SZANTO, E.—See Jaques, L. B.
- KERR, E. H.—See Hunter, J.
- KONST, H.—See Annau, E.
- KROPP, B. N. and MCEWEN, H. D.—Changes induced in the adrenal cortex of the rat by the Walker rat tumor 256, 10.
- LABZOFFSKY, N. A. and SPRENT, J. A. F.—Tularemia among beaver and muskrat in Ontario, 250.
- DE LAMIRANDE, G.—See Allard, C.; Daoust, R.
- LAROSE, P.—See Fischer, R.
- LEBLANC, J.—See DesMarais, A.

- LINFORD, J. H.—Some absorption and fluorescent properties of the α -estradiol sulphuric acid complex, 199.
- LINFORD, J. H. and PAULSON, O. B.—The absorption and fluorescence properties, in the visible spectral region, of certain steroids in sulphuric acid solutions, 213.
- LIVINGSTONE, K. E. and MCCALLION, D. J.—The immediate effects of severe local X irradiation on the liver of the hamster, 571.
- LOGAN, J. E.—Protein-bound phosphorus compounds in the proximal stump of peripheral nerve after nerve section or after nerve crush, 457.
- LOVEGROVE, T. D., DELUCA, H. A., and ROSSITER, R. J.—The *in vitro* incorporation of radioactive phosphate into rabbit reticulocytes, 143.
- LOYNES, J. S.—See Gowdey, C. W.
- LOYNES, J. S. and GOWDEY, C. W.—Cardiotonic activity of certain steroids and bile salts, 325.
- MCCALLION, D. J.—See Livingstone, K. E.
- MC CONKEY, H. M.—See Skelton, F. R.
- MC EWEN, H. D.—See Boyd, E. M.; Kropp, B. N.
- MCLEAN, J. R. and BEVERIDGE, J. M. R.—Studies on hepatic necrosis induced by dietary means. V. The influence of thyroid activity on the production of hepatic necrosis by dietary means, 118.
- MACPHERSON, C. F. C., MAURER, P. H., ALEXANDER, H. E., and REDMAN, W.—A method for the quantitative measurement of agglutinin nitrogen in antisera to *Hemophilus pertussis*, Phase I, 284.
- MADSEN, N. B.—See Taylor, J. D.; Tuba, J.
- MANKIEWICZ, E.—The action of lipidolytic enzymes of larvae of *Galleria melonella* on virulent *Mycobacterium tuberculosis*, 106.
- MANNELL, W. A.—Wallerian degeneration in the rat. A chemical study, 173.
- MARTIN, E. J. and FERGUSON, J. K. W.—Radon in normal breath, 42.
- MAURER, P. H.—See MacPherson, C. F. C.
- MAWSON, C. A. and FISCHER, M. I.—The occurrence of zinc in the human prostate gland, 336.
- MAYMAN, C. I.—See Blanchaer, M. C.
- MOORE, A. M. and BOYLEN, J. B.—A note on the appearance of an ultraviolet absorption maximum due to nitrite in the medium during growth of a bacterial culture, 441.
- NAKASHIMA, M.—See Friedman, S. M.
- NICHOL, J. T.—The effect of temperature on the circulation of the isolated perfused rabbit ear, 340.
- PAULSON, O. B.—See Linford, J. H.
- PERRY, F. A.—See Gilman, J. P. W.
- PERRY, W. F.—The effect of propylthiouracil on the weight and concentrations of cholesterol and ascorbic acid of the adrenal gland, 36.
- PLUMMER, P. J. G.—See Annau, E.
- POLLEY, J. R.—Preparation of a stable noninfective soluble influenza A antigen. II. Use of various reagents for neutralization of formaldehyde-treated antigens, 194.
- POULIK, M. D.—Filter paper electrophoresis of purified diphtheria toxoid, 417.
- REDMAN, W.—See MacPherson, C. F. C.
- REDE, G. B.—See Swabb, N. N.
- RHODES, A. J.—See Clark, E. M.; Thicke, J. C.
- RHODES, A. J., CLARK, E. M., and SHIMADA, F. T.—Studies on passive immunity in poliomyelitis. III. Production of immune serum to Lansing poliomyelitis virus in rhesus monkeys. With histological observations by W. L. Donohue and R. C. Ritchie, 54.
- ROBINSON, M. I.—See Tuba, J.
- ROSS, W. M.—A preliminary comparative study of test antigens prepared from adult and larval forms of *Trichinella spiralis*, 534.
- ROSSITER, R. J.—See Lovegrove, T. D.
- SEGUIN, J. J.—See Gowdey, C. W.
- SHAW, R. K.—See Tuba, J.
- SHIMADA, F. T.—See Rhodes, A. J.
- SILUCH, K. A.—See Tuba, J.
- SKELTON, F. R., MC CONKEY, H. M., and GRANT, G. A.—Synergistic action of Antabuse[®] and intravenous cyanamide on blood acetaldehyde following alcohol administration, 151.

- SPITZER, J. A.—See Spitzer, J. J.
- SPITZER, J. J.—The influence of heparin on the activation energy of thrombin inactivation, 122.
- SPITZER, J. J. and SPITZER, J. A.—The blood coagulation mechanism of frogs, with respect to the species specificity of thromboplastin, to intracardial thrombin injection, and to the effect of seasonal changes, 420.
- SPRENT, J. A. F.—See Labzoffsky, N. A.
- STAVRAKY, G. W.—See Gowdey, C. W.
- STEWART, D. K. R.—See Aldous, J. G.
- STRICKLAND, K. P.—Nucleic acids and other protein-bound phosphorus compounds of cat brain, 484.
- SUDERMAN, H. J. and DELORY, G. E.—A rapid method for the determination of sodium in serum, 302.
- SWABB, N. N. and REED, C. B.—*Salmonella typhosa*. VI. Antigen and its immunizing potential, 503.
- TAYLOR, J. D.—See Tuba, J.
- TAYLOR, J. D., MADSEN, N. B., and TUBA, J.—The effects of some dietary derived lipids and fat soluble vitamins on rat serum tributyrinase and alkaline phosphatase, 308.
- TAYLOR, J. D. and TUBA, J.—On rat serum lipase. IV. The effect of various dietary fats, 453.
- THICKE, J. C., DUNCAN, D., WOOD, W., FRANKLIN, A. E., and RHODES, A. J.—Cultivation of poliomyelitis virus in tissue culture. I. Growth of the Lansing strain in human embryonic tissues, 231.
- TING, T. P. and JOHNS, H. E.—The relative biological effectiveness of 200 kv. and 23.5 Mev. X radiation. III. Regression of mouse tumors *in vivo*, 425.
- TUBA, J.—See Taylor, J. D.
- TUBA, J. and FRASER, M. S.—The effect of age, sex, and previous pregnancy on the oxygen uptake of rat mammary tissue, 14.
- TUBA, J., JELINEK, B., SHAW, R. K., and MADSEN, N. B.—The relationship of dietary factors to rat serum alkaline phosphatase. III. The effect of dietary protein levels, 378.
- TUBA, J. and MADSEN, N. B.—The relationship of dietary factors to rat serum alkaline phosphatase. II. The effect of total food consumption, methionine, choline, and vitamin B₁₂ in normal and alloxan diabetic adult rats, 18.
- TUBA, J., SILUCH, K. A., ROBINSON, M. I., and MADSEN, N. B.—The relationship of dietary factors to rat serum alkaline phosphatase. IV. The effect of dietary oxalate, 515.
- TUBA, J. and TAYLOR, J. D.—On rat serum lipase. III. The effect of total food consumption and of dietary hydrogenated vegetable fat, 26.
- VINET, G.—See Fredette, V.
- WAUD, R. A.—A mechanical heart and lung, 130. See Gowdey, C. W.
- WHILLANS, M. G.—See Hunter, J.
- WHITE, F. D., DELORY, G. E., CHRISTIE, K. A., and DUDLEY, E. A.—Nicotinamide haemochrome as a derivative for the colorimetric determination of the total haem pigments in blood, 136.
- WHITE, F. D. and DUNCAN, D.—Photometric studies on the diazo reaction for serum bilirubin, 552.
- WOOD, W.—See Thicke, J. C.

